



24138 STATE OF ALASKA **DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER** Alaska Hydrologic Survey

WATER WELL LOG Revised 08/18/2016

Drilling Started: 8 / 21	/1985	Comple	eted: 9 / 6 / 1985 Pump Install://					
City/Borough Subdivis	ion	Block	Lot Property Owner Name & Address					
Lower Kuskokwim REAA			Us Phs, Napakiak ,					
Well location: Latitude 60.6935272	07014		Longitude161.970734					
,		Sectior	n <u>17</u> , 1/4 of 1/4 of 1/4					
BOREHOLE DATA: (from ground surface) Suggest T.M. Hanna's hydrogeologic classification system* https://my.ngwa.org/NC			Drilling method: ☐Air rotary, ☐Cable tool, ☐Other Well use: ☐Public supply, ☐Domestic, ☐Reinjection, ☐Hydrofracking ☐Commercial, ☐Observation/Monitoring, ☐Test/Exploratory, ☐Cooling, ☐Irrigation/Agriculture, ☐Grounding, ☐Recharge/Aquifer Storage,					
Sand and silt	0	60	☐ Heating, ☐ Geothermal Exploration, ☐ Other					
Sand silt organic	60	90	Fluids used:					
coarse sand, gravel mixed	90	105	Depth of hole: 163 ft Casing stickup:ft					
coarse sand gravel. some water	105	130	Casing type: inches					
10 slot sand at 145' water	130	145	Casing diameter: 6 inches Casing depth: 145 ft Liner type: Depth: ft Diameter:inches					
(handwriting hard to read) Seam expand to formation?		155	Note:					
(nandwriting hard to read) Seam expand to iormation?	145	155	Well intake opening type: Open end, Open hole, Other screened Screen type:, Screen mesh size: 10 Screen start: ft, Screen stop: ft, Perforated Yes No Perforation description: Perf from: ft, Perf to: ft, Perf from: ft, Perf to: ft Gravel packed Yes No Gravel start: ft , Gravel stop: ft Note: Static water (from top of casing): 7.33					
			Development method: Duration: Recovery rate: gpm					
			Grout type: Bentonite Volume Depth: From 23 ft, To ft					
Include description or sketch of well location (includings, etc.):	clude road	names,	Final pump intake depth: ft Model: Pump size: hp Brand name:					
			Was well disinfected upon completion? Yes No Method of disinfection: Was water quality tested? Yes No Water quality parameters tested:					
		North	Well driller name: Wayne Westberg Company name: M-W DRILLING INC Mailing address: PO BOX 110378 City: Anchorage State: AK Zip: 99511 Phone number: (907) 345 - 4000					
AS 41.08.020(b)(4) and AAC 11 AAC 93.140(a copy of the well log be submitted to the Departr Resources within 45 days of well completion. be submitted using the online well log reporting available at:	nent of N Well logs	atural	Driller's signature: Date:/					
https://dnr.alaska.gov/welts/			City Permit Number: Date of Issue://					
OR email electronic well logs to								
dnr.water.reports@alaska.gov			Parcel Identification Number:					

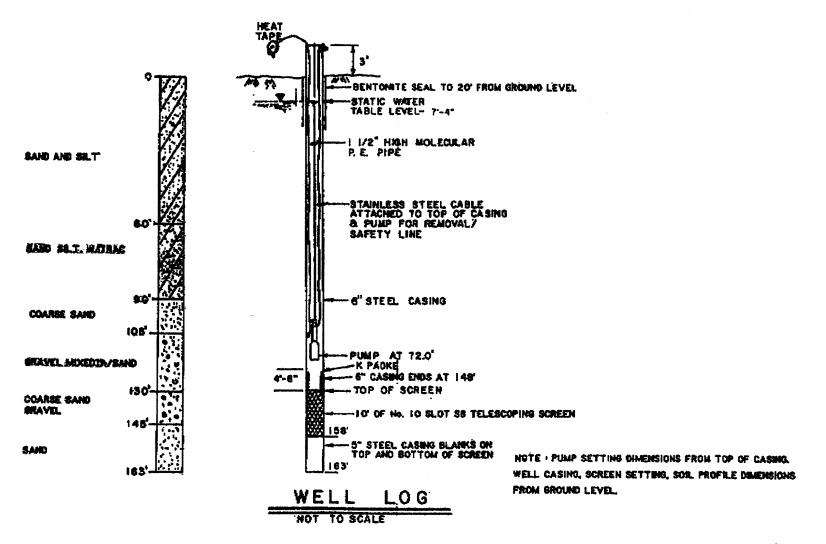
WELL LOG

ALASKA AREA NATIVE HEALTH SERVICE ENVIORONMENTAL HEALTH BRANCH

PWSID 262319 WLOOI "

DATE COMPLETED Sept C, 1985	DATE STARTED Aug 21, 1995
	T. CASING INSTALLED 149' 1" DIAMETER 6"
	T. CASING INSTALLED DIAMETER
	H 23' SCREEN SIZE 10 Alet MFG filmer LENGHT 10'
STATIC WATER LEVEL 7'4"	HRS PUMPED 24 @ 25 GPM DRAWDOWN 9' FT. 8"
HOLE DIAMETER CASING DIAMET	NS PUMPED LAS 0 25 OFM DRAWDOWN
	PAA TION
DEPTH OF THE PROPERTY OF THE P	SOIL DATA TO 15 FT.
	BOTTOM OF FROST & MATERIAL
and + sill to co'	SEASONAL OR PERMA FROST
1	SEASONAL OR PERMA FROST
772	WATER DATA FIELD TEST
	TASTE
silt organie 2	IRON
96	CHLORIDES
22 9611 3	E- Poeter CHI. CHIDES
Bhlank 3	
course soul	DESCRIBE WELL LOCATION SPECIFICALLY
96	MELL LOCATED BETWEEN CITY BUT BUTLOT
ich sond 1054	To low
ich sond 105	10 slot seven 10 long
	PUMP TEST 7'4 STATIC LEVEL
wire how glovel	PUMPING LEVEL 9'4" @ 25 GPM
* 130' some	
	AFTER 24 HRS
slot soul at	AFTERHRS
+ 145 Water 5 blut	
	HIGHEST RECOMMENDED PUMP RATE
	WILL STATIC LEVEL CHANGE WITH
	TIDES No OR FROST
reen expessel	TIDESOR FROST
formation from	OBSERVED AND DR PROST
£ 150	POPECUTE CAPACITY
1581	
DEVELOP PROCEDUREAuge	+ Natural development wich tost pump
ALOF PROCEDURE	

LOCA	٩L	NO	<u> 5B</u>	7-	72	_
SITE	ID					



PHS Project # AN.84-126 Napakiak, Alaska

WELL LOG

ALASKA AREA NATIVE HEALTH SERVICE ENVIRONMENTAL HEALTH BRANCH

		NE REALIT BRANCH
TYPE OF RIG	1 STAR VILLAGE NAPAKIAK	PROJECT No 85-126 IDENT DATE ON CASING 9/26/85
LOCATIONNAI	PAKIAK, ALASKA	DATE STARTED 8/21/85
DATE COMPLETED	9/1/85	DRILLER STEVE ST. ANTHONY
TOTAL DEPTH OF	WELL 163' FT. CASING IN	ISTALLED 148' DIAMETER 6"
SLOTTING DESCRI	PTION N/A FT. CASING IN	NSTALLED N/A DIAMETER N/A
GROUT_BENTON	GROUT DEPTH 23'	SCREEN SIZE 10 slot MFG JOHN LENGTH 10'
STATIC WATER L	EVEL HRS PUMPEI	24 @ 25 GPM DRAWDOWN 9 FT. 8"
	HOLE DIAMETER CASING DIAMETER	
DEPTH	FORMATION	V.
	TOTAL TOTAL	SOIL DATA TO 15 FT.
		FEET THAWED
		BOTTOM OF FROST & MATERIAL
		SEASONAL OR PERMA FROST
		WATER DATA FIELD TEST
		TASTE
		IRON
	The same of the sa	CHLORIDES
	1	*
60 '		
	XXXX	DESCRIBE WELL LOCATION SPECIFICALLY
	THE STATE OF THE S	WEIL LOCATED BETWEEN CITY HALL BUILDING
	4:1:	AND FIRE HALL
901		
90	Carrie Contract	PUMP TESTSTATIC LEVEL
105'	1.50	PUMPING LEVEL @ GPM
	4 9 6	AFTER HRS
	. 6 . 1	
	R	
130'	1.91	
130	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HIGHEST RECOMMENDED PUMP RATE
	17.2%	WILL STATIC LEVEL CHANGE WITH
145'		
148'		TIDES OR FROST
		SPECIFIC CAPACITY
158'		
EVELOR PROCESUS	· · ·	
EVELOP PROCEDUR	E	

Project	No 84-12	د Projec	t Name War	PAKIAK	AN-84-	126	Well #9/88
							DEPT 4,1985
							ervation Well
							evel 7'4" fo
							25 дрп
Clock Time	*E. T. Started/ Stopped	Depth to Water From TOC	Drawdown/ Recovery	Clock Time	*E. T. Started/ Stopped	Depth to Water From TOC,	Drawdown/ Recovery
330 PM	2 /	9'7"		3:31	1	7'4"	
	2	9. S.				1 7	
	3	3.8.					
	4	9.8.					
	5-	9' 8"					
	6	9'8"					
	9	9.8.					
	9	9:8"					
	10	9/8"		-	-		
	15	9'8"		-			
	20	9'8"					
	30	9'8"					
		9'9"					
	40 50	9'93					
4:30 PM 5:00 5:30 6:00	60	9'10"					
5:00		10'					
5:30		10'					
6:33		10'13"					
6:30							
5:30		10'11					
		10					
10:00 7:30 AA		9'11"	-4'				
2:30	7	10 4"					
9:30		10'4" 10'2" 9'1" 9'8" 9'5' 9'5' 9'5'					
10:30		9'8"					
11:30		9'54					
12:30 A	m	9'51					
1:30	•	9'5-5					
2:30		96"			-26		
3:30 A	n	9'5" Dan	ple taken		_ 6		
			1	·	7		

^{*}Elapsed Time Since Pumping Started/Stopped in Minutes